



America's First Permitted Home Constructed by a 3D Printer Cost \$10,000

A proof-of-concept home constructed by a 3D printer in 48 hours, at a cost of \$10,000 was demonstrated in Austin, Texas. New Story, a housing non-profit, teamed up with a construction-technology firm called Icon to build the 350 sq ft home as a prototype for low-cost homes planned for El Salvador late next year. -GEG

A collaboration between housing non-profit New Story and construction technology firm Icon aims to use 3D printing technology to house the homeless. While it's early days yet, they hope to produce low-cost 3D-printed homes in El Salvador by late 2019.

New Story and Icon debuted an initial proof-of-concept model, pictured, at the SXSW festival in Austin, Texas, yesterday. The home is similar in nature to the [Apis Cor](#) house and measures just 350 sq ft (32 sq m).

It was created with a mobile 3D-printer developed by Icon named the Vulcan. The Vulcan functions much like other 3D printers used in construction and extrudes mortar out of a nozzle in a pre-programmed pattern, slowly building up layers until a basic house structure is formed. This is then finished by humans who add windows, a roof, and the like.

The proof-of-concept model cost US\$10,000 to produce and took 48 hours to make, including the finishing touches.

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